

API VALVE

# API Trunnion Ball Valve

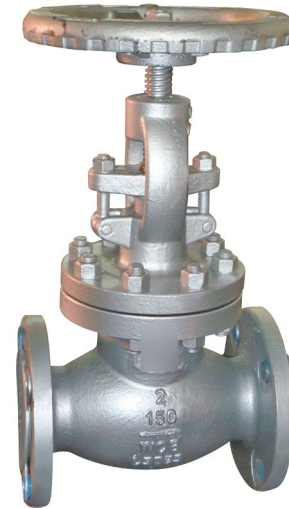
MODEL VTTBV-C600 REF EFC-219 ISSUED 05 Jun 2026

## SPECIFICATIONS

Size	DN40–DN600
Pressure	Class 600–Class 2500
End connection	flanged (ANSI) / flanged (ANSI) / flanged (ANSI) / flanged (ANSI) / butt-weld

## STANDARDS

Design	API
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## FEATURES

- Raised face (RF) flange end connection option
- Ring-type joint (RTJ) flange end connection option
- Butt-weld (BW) end connection option
- Trunnion-mounted ball design

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SECTION Dimensions per size REF EFC-219

SIZE	L_RF	L_RTJ	L_BW	D	H	H1	W	WEIGHT
<b>DN50 (NPS 2) Class 600</b>	292	295	292	49	140	94	300	32 kg
<b>DN65 (NPS 2½) Class 600</b>	330	333	330	62	155	115	300	47 kg
<b>DN80 (NPS 3) Class 600</b>	356	359	356	74	190	136	300	68 kg
<b>DN100 (NPS 4) Class 600</b>	432	435	432	100	220	152	300	106 kg
<b>DN125 (NPS 5) Class 600</b>	508	511	508	127	245	180	300	170 kg
<b>DN150 (NPS 6) Class 600</b>	559	562	559	150	300	209	400	241 kg
<b>DN200 (NPS 8) Class 600</b>	660	664	660	201	345	263	600	444 kg
<b>DN250 (NPS 10) Class 600</b>	787	791	787	252	405	312	600	668 kg
<b>DN300 (NPS 12) Class 600</b>	838	841	838	303	445	354	600	1050 kg
<b>DN350 (NPS 14) Class 600</b>	889	892	889	334	505	389	600	1317 kg
<b>DN400 (NPS 16) Class 600</b>	991	994	991	385	580	440	700	1800 kg
<b>DN450 (NPS 18) Class 600</b>	1092	1095	1092	436	700	530	700	2400 kg
<b>DN500 (NPS 20) Class 600</b>	1194	1200	1194	487	890	560	700	3000 kg
<b>DN600 (NPS 24) Class 600</b>	1397	1407	1397	538	1050	670	800	5400 kg
<b>DN50 (NPS 2) Class 900</b>	368	371	368	49	170	98	300	45 kg
<b>DN65 (NPS 2½) Class 900</b>	419	422	419	62	195	120	300	55 kg
<b>DN80 (NPS 3) Class 900</b>	381	384	381	74	220	140	350	94 kg

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Dimensions per size (continued) · EFC-219

SIZE	L_RF	L_RTJ	L_BW	D	H	H1	W	WEIGHT
<b>DN100 (NPS 4) Class 900</b>	457	460	457	100	245	162	350	141 kg
<b>DN125 (NPS 5) Class 900</b>	559	562	559	127	305	188	400	230 kg
<b>DN150 (NPS 6) Class 900</b>	610	613	610	150	335	213	400	325 kg
<b>DN200 (NPS 8) Class 900</b>	737	740	737	201	370	270	600	580 kg
<b>DN250 (NPS 10) Class 900</b>	838	841	838	252	475	322	600	850 kg
<b>DN300 (NPS 12) Class 900</b>	965	968	965	303	590	360	700	1330 kg
<b>DN350 (NPS 14) Class 900</b>	1029	1038	1029	322	700	400	700	1660 kg
<b>DN400 (NPS 16) Class 900</b>	1130	1140	1130	372	850	460	800	2280 kg
<b>DN40 (NPS 1½) Class 1500</b>	305	305	305	38	280	100	300	44 kg
<b>DN50 (NPS 2) Class 1500</b>	368	371	368	49	320	113	300	67 kg
<b>DN65 (NPS 2½) Class 1500</b>	419	422	419	64	340	125	300	80 kg
<b>DN80 (NPS 3) Class 1500</b>	470	473	470	74	385	138	300	130 kg
<b>DN100 (NPS 4) Class 1500</b>	546	549	546	100	415	171	300	192 kg
<b>DN125 (NPS 5) Class 1500</b>	673	676	673	125	480	200	400	335 kg
<b>DN150 (NPS 6) Class 1500</b>	705	711	705	144	580	222	400	475 kg
<b>DN200 (NPS 8) Class 1500</b>	832	841	832	192	584	280	400	820 kg
<b>DN250 (NPS 10) Class 1500</b>	991	1000	991	239	650	340	500	1320 kg
<b>DN300 (NPS 12) Class 1500</b>	1130	1146	1130	287	700	370	600	2050 kg
<b>DN40 (NPS 1½) Class 2500</b>	384	387	384	38	290	105	300	72 kg
<b>DN50 (NPS 2) Class 2500</b>	451	454	451	42	320	120	300	104 kg

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Dimensions per size (continued) · EFC-219

SIZE	L_RF	L_RTJ	L_BW	D	H	H1	W	WEIGHT
<b>DN65 (NPS 2½) Class 2500</b>	508	514	508	52	350	130	300	140 kg
<b>DN80 (NPS 3) Class 2500</b>	578	584	578	62	400	150	300	202 kg
<b>DN100 (NPS 4) Class 2500</b>	673	683	673	87	425	180	400	305 kg
<b>DN125 (NPS 5) Class 2500</b>	794	807	794	100	500	210	400	530 kg
<b>DN150 (NPS 6) Class 2500</b>	914	927	914	131	590	230	500	760 kg
<b>DN200 (NPS 8) Class 2500</b>	1022	1038	1022	179	610	290	500	1200 kg
<b>DN250 (NPS 10) Class 2500</b>	1270	1292	1270	223	660	350	600	2080 kg

All dimensions in millimetres unless stated otherwise. Values are nominal; tolerances confirmed at quote.